Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name: Norfolk Naval Shipyard

Facility Name: Norfolk Naval Shipyard
Facility Location: Portsmouth, Virginia
Registration Number: 60326
Permit Number: TRO-60326

November 19, 2001
Initial Effective Date

June 20, 2005
Significant Amendment Date

November 19, 2006
Expiration Date

(for)

Robert G. Burnley
Director, Department of Environmental Quality

June 20, 2005
Signature Date

Table of Contents

I. Facility Information- Shipyard

Permittee
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

Responsible Official
Russ Chantry
Director, Occupational Safety, Health and Environmental Office

Facility
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

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Billy D. Bright
Air Program Manager
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AFS Identification Number: 51-740-00006

Facility Description: NNSY is one of four NAVY shipyards in the United States. The facility occupies 810.25 acres and employs approximately 6,000 people. NNSY has the capability to dry-dock any NAVY vessel including nuclear and non-nuclear powered carriers and submarines. There are six operable dry-docks located at NNSY and multiple slips and piers. A variety of activities are conducted in support of repair and overhaul operations including, but not limited to: painting and blasting, welding, electroplating, utility steam production, machining and crane loading. Many of these activities are conducted in large buildings and shops located in the industrial area of the yard. Shipboard equipment and machinery is often removed from a dry-docked vessel by overhead crane, and is taken to various shops within the shipyard for repair or overhaul after which they are returned to the ship for re-installation. The following Standard Industrial Classification (SIC) codes apply to the operations at NNSY:

- 9711 - National security
- 3731 - Shipbuilding and repairing

The Southgate Annex, which is located next to the Shipyard, is owned and operated by Commander, Navy Region Mid-Atlantic (CNRMA). Emission units for this area are listed under the CNRMA section of this permit.

New Gosport, Stanley Court and Scott Center are not considered part of this facility for Title V purposes.

II. Emission Units - Shipyard

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Internal Combustion Engines - Generators							
ICGF-002		*Caterpillar Inc., 3412 (Unknown)*	*5.690 mmBtu/hr*				
ICGF-036		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-037		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-038		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-039		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-040		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-041		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-042		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-043		*Caterpillar Inc., 3516 (01/97)*	*16.856 mmBtu/hr*				*2/16/05*
ICGF-047		*Detroit Diesel, PIA 1/2 1832D (Unknown)*	*4.738 mmBtu/hr*				
ICGF-049		*Detroit Diesel, PIA 1/2 1832D (Unknown)*	*5.690 mmBtu/hr*				
ICGF-093		*Caterpillar, 3412 (Unknown)*	*5.640 mmBtu/hr*				
Cleaning and Abrasive Blast Operations							
ABRA-007	*ASDO CKS*	*Shipboard Abrasive Blasting (Unknown) Unknown, Mark2P Compressed Air Blasting Guns*	*6,600 lbs/hr*	*Tarpaulin Enclosure*	*CDABRA-007*	*PM/PM10*	
ABRA-058	*ASDO CKS*	*Sanding Booth (Unknown) Protectaire Mfg., Unknown*	*N/A*	*Fabric Filter*	*CDABRA-058*	*PM/PM10*	
ABRA-066	*ASDO CKS*	*PMB Booth (12/98) Protectaire Mfg., Unknown*	*N/A*	*Fabric Filter*	*CDABRA-066*	*PM/PM10*	
ABRA-125		*Abrasive Blast Booth with 2 blasting nozzles and media recycling system 24' x 14' x 12'*	*1,800 lb/hr per nozzle or 3600*	*Recycling media system*		*PM/PM10*	*2/16/05*
CHMC-005		*Paint Stripper Tank*					
Metal Working Operations							

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
MTWK-005		*Hot Parts Quench Tank (Unknown) Metalworking Quench Tank for Hot Parts*	*N/A*				
Coating Operations							
OCOT-001		*Motor Dip Tank (Unknown), Dip Coating Application Dip Coating Tank*	*N/A*				
OCOT-002		*Motor Dip Tank (Unknown), Dip Coating Application Dip Coating Tank*	*N/A*				
OCOT-003		*Motor Dip Tank (Unknown), Dip Coating Application Dip Coating Tank*	*N/A*				
PNTO-009	*STPNTO-009*	*Portable Flame Spray Booth (5/95), Flame Spray Application Metco, 12E*	*12.0 lb/hr*	*Water Curtain*	*CDPNTO-009*	*PM/PM10*	
PNTO-010	*STPNTO-010*	*Portable Flame Spray Booth (5/95), Flame Spray Application Metco, 12E*	*12.0 lb/hr*	*Water Curtain*	*CDPNTO-010*	*PM/PM10*	
PNTO-011	*STPNTO-011*	*Flame Spray Booth (3/97), Flame Spray Application High Velocity Oxygen Fuel Spray and Plasma Spray Applications*	*18,942 lbs. per rolling 12 months Combined w/ PNTO-013*	*Fabric Filter*	*CDPNTO-011*	*PM/PM10*	*2/16/05*
PNTO-012		*Anchor Chain Coating Area Metco, 12E*	*12.0 lbs/hr*				
PNTO-013	*STPNTO-013*	*Flame Spray Area, Flame Spray Application High Velocity Oxygen Fuel Spray and Plasma Spray Applications*	*18,942 lbs. per rolling 12 months Combined w/ PNTO-011*	*Fabric Filter*	*CDPNTO-011*	*PM/PM10*	*2/16/05*
PNTO-015	*STPNTO-015*	*Powder Coating Spray Booth*	*30 lb/hr and 1600 lb/yr 20' x 7.5' x 7'*	*Fabric Filter*	*CDPNTO-015*	*PM/PM10*	*2/16/05*
PNTS-002		*Paint Spray Booth*					
PNTS-004	*STPNTS-004*	*Antenna Shop Paint Booth (Unknown), Conventional Air*	*N/A*	*Water Curtain*	*CDPNTS-004*	*PM/PM10*	

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
		Atomized Spray Paint Application Paint Spray Booth					
PNTS-005	*STPNTS-005*	*Motor Paint Booth (Unknown), Conventional Air Atomized Spray Paint Application Paint Spray Booth*	*N/A*	*Dry filters*	*CDPNTS-005*	*PM/PM10*	
PNTS-006	*STPNTS-006*	*Large Piece Spray Booth (12/31/84), Conventional Air Atomized Spray Paint Application Large Drive-in Paint Spray Boot*	*6,450 gal per rolling 12 months*	*Dry filters*	*CDPNTS-006*	*PM/PM10*	*2/16/05*
PNTS-009		*Plasticol Coating (Unknown), Dip Coating Application Plasticol Coating Process*	*N/A*				
PNTS-011	*STPNTS-011*	*Spray Paint, Outdoors (Unknown), Conventional Air Atomized Spray Paint Application*	*N/A*	*Tarpaulin Enclosure*	*CDPNTS-011*	*PM/PM10*	
PNTS-018		*Paint Booth*					
PNTS-019	*STPNTS-019*	*Paint Spray Booth (06/15/97), Conventional Air Atomized Spray Paint Application Paint Spray Booth*	*117 gal per rolling 12 months*	*Fabric Filter*	*CDPNTS-019*	*PM/PM10, HAPs*	*2/16/05*
PNTS-028	*STPNTS-028*	*Binks Spray Paint Booth, Conventional Air Atomized Spray Paint Application Paint Spray Booth*	*2,500 gal per rolling 12 months*	*Fabric Filter*	*CDPNTS-028*	*PM/PM10 HAPs*	*2/16/05*
PNTS-029	*STPNTS-029*	*Spray Paint Booth, Conventional Air Atomized Spray Paint Application Paint Spray Booth*	*2,940 gal per rolling 12 months*	*Fabric Filter*	*CDPNTS-029*	*PM/PM10 HAPs*	*2/16/05*
PNTS-030	*STPNTS-030*	*Spray Paint Booth (06/15/97), Conventional Air Atomized Spray Paint Application Paint Spray Booth*	*3,500 gal/rolling 12 months*	*Fabric Filter*	*CDPNTS-030*	*PM/PM10, HAPs*	*2/16/05*

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTS-031	*STPNTS-031*	*Powder Coat Spray Booth*		*Fabric Filter*	*CDPNTS-031*	*PM/PM10*	
PNTS-033	*STPNTS-033*	*Paint & Teflon Spray Booth*	*19 gal/hr and 750 gal /yr 10' x 8' x 8'*	*Fabric Filter*	*CDPNTS-033*	*PM/PM10*	*2/16/05*
EPLT-001		*Cyanide Strip Tank*					*2/16/05*
EPLT-002		*Counter Current Zinc Rinse*					*2/16/05*
EPLT-003		*Zinc Recovery Rinse*					*2/16/05*
EPLT-004		*Zinc Barrel Tank*					*2/16/05*
EPLT-005		*Zinc Plate*					*2/16/05*
EPLT-006		*Hot Water Tank*					*2/16/05*
EPLT-007		*Counter Current Rinse Tank*					*2/16/05*
EPLT-008		*Cadmium Plate*					*2/16/05*
EPLT-009		*Copper Plate*					*2/16/05*
EPLT-010		*Copper Strike*					*2/16/05*
EPLT-011		*Cold Water Rinse Tank*					*2/16/05*
EPLT-012		*Sodium Cyanide Dip*					*2/16/05*
EPLT-013		*Nickel Strike*					*2/16/05*
EPLT-014		*Cold Water Rinse Tank*					*2/16/05*
EPLT-015		*Hydrochloric Acid Dip*					*2/16/05*
EPLT-016		*Cold Water Rinse Tank*					*2/16/05*
EPLT-017		*Anodic Clean*					*2/16/05*
EPLT-018		*Copper Recovery Rinse Tank*					*2/16/05*
EPLT-019		*Counter Current Rinse for Copper*					*2/16/05*
EPLT-020		*Bright Nickel Plate*					*2/16/05*
EPLT-021		*Bright Nickel Recovery Rinse*					*2/16/05*
EPLT-022		*Counter Current Rinse*					*2/16/05*
EPLT-023		*Sulfamate Nickel Tank*					*2/16/05*
EPLT-024		*Bright Chrome Plate*					*2/16/05*
EPLT-025		*Recovery Rinse for Chromium*					*2/16/05*
EPLT-026		*Cathodic Clean*					*2/16/05*
EPLT-027		*Cold Water Rinse Tank*					*2/16/05*
EPLT-028		*Caustic Rinse Tank*					*2/16/05*
EPLT-029		*Cold Water Rinse Tank*					*2/16/05*

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
EPLT-030		*Hydrochloric Acid Dip*					*2/16/05*
EPLT-031		*Cold Water Rinse Tank*					*2/16/05*
EPLT-032		*Anodic Sulfuric Acid Dip*					*2/16/05*
EPLT-033		*Nitric Acid Dip*					*2/16/05*
EPLT-034		*Hard Chrome Desmut*					*2/16/05*
EPLT-035		*Cold Water Rinse Tank*					*2/16/05*
EPLT-036		*Counter Current Rinse Tank*					*2/16/05*
EPLT-037		*Silver Strike Tank*					*2/16/05*
EPLT-038		*Silver Plate Tank*					*2/16/05*
EPLT-039		*Counter Current Ronse Tank*					*2/16/05*
EPLT-040		*Electroplating Tank*					*2/16/05*
EPLT-041		*Cold Water Rinse Tank*					*2/16/05*
EPLT-042		*Alkaline Clean*					*2/16/05*
EPLT-043		*Cold Water Rinse Tank*					*2/16/05*
EPLT-044		*Isoprep 177 Tank*					*2/16/05*
EPLT-045		*Cold Water Rinse Tank*					*2/16/05*
EPLT-046		*Chromic Acid Anodize Tank*					*2/16/05*
EPLT-047		*Phosphating*					*2/16/05*
EPLT-048		*Cold Water Rinse Tank*					*2/16/05*
EPLT-049		*Derust Tank*					*2/16/05*
EPLT-050		*Cold Water Rinse Tank*					*2/16/05*
EPLT-051		*Black Oxide For Copper*					*2/16/05*
EPLT-052		*Cold Water Rinse Tank*					*2/16/05*
EPLT-053		*Sodium Hydroxide Strip Tank*					*2/16/05*
EPLT-054		*Chromium Recovery Rinse Tank*					*2/16/05*
EPLT-055		*Chromium Counter Current Rinse Tank*					*2/16/05*
EPLT-056		*Cathodic Sulfuric/Hydrofluoric Acids*					*2/16/05*
EPLT-057		*Cold Water Rinse Tank*					*2/16/05*
EPLT-058		*Nickel Strip*					*2/16/05*
EPLT-059		*Rinse Tank*					*2/16/05*
EPLT-060		*Electroplating Tank*					*2/16/05*
EPLT-061		*Counter Current Rinse Tank*					*2/16/05*
EPLT-062		*Hard Chrome Plate*					*2/16/05*

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
EPLT-063		*Hard Chrome Plate*					*2/16/05*
EPLT-064		*Chromium Current Rinse Tank*					*2/16/05*
EPLT-065		*Hard Chrome Plate*					*2/16/05*
EPLT-066		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-068		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-070		*Flash Plating Line (50% Sulfuric Acid)*					*2/16/05*
EPLT-072		*Flash Plating Line Cold Water Rinse*					*2/16/05*
EPLT-074		*Flash Plating Line (33% Chromic Acid)*					*2/16/05*
EPLT-076		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-078		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-080		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-082		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-084		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-086		*Flash Plating Line Tank (tank not in use)*					*2/16/05*
EPLT-088		*Flash Plating Line (50% Hydrochloric Acid)*					*2/16/05*
EPLT-090		*Flash Plating Line Cold Water Rinse*					*2/16/05*
EPLT-092		*Flash Plating Line (Sodium Hrdroxide)*					*2/16/05*
EPLT-094		*Flash Plating Line Cold Water Rinse*					*2/16/05*
EPLT-096		*Flash Plating Line Hot Water Rinse*					*2/16/05*
EPLT-098		*Shaft Chrom Plating Tank (tank*					*2/16/05*

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
		not in use)					
Woodworking							
WOOD-002	*STWOOD-002*	*Pattern Shop (Foundry) (Unknown) Equipment includes Sanders, Cutting Saws, Planers, etc*	*N/A*	*Fabric filter*	*CDWOOD-002*	*PM/PM10*	
WOOD-003	*STWOOD-003*	*Crating Woodshop (Unknown)*	*N/A*	*Cyclone*	*CDWOOD-003*	*PM/PM10*	
WOOD-004	*STWOOD-004*	*Saw Mill Woodworking Shop (Unknown) Equipment includes Sanders, Cutting Saws, Planers, etc*	*N/A*	*Fabric filter*	*CDWOOD-004*	*PM/PM10*	
WOOD-005	*STWOOD-005*	*Woodworking Shop (Unknown) Equipment includes Sanders, Cutting Saws, Planers, etc*	*N/A*	*Cyclone*	*CDWOOD-005*	*PM/PM10*	
Liquid Handling Operations							
GSTA-001		*Commercial Gasoline Service Station for Personal Vehicles @ Bldg 237*		*Stage I Vapor Recovery*		*VOC, HAP*	
GSTA-005		*Commercial Bio fuel Gasoline Service Station for Personal Vehicles*		*Stage I Vapor Recovery*		*VOC, HAP*	
Miscellaneous Operations							
MISC-014	*ASDOCKS*	*Gasket Cutting Room (Unknown) Clarkson Industries, DC-80290*	*N/A*	*Fabric Filter*	*CDMISC-014*	*PM/PM10*	
MISC-019	*ASDOCKS*	*Fiberglass Lagging Area (Unknown) Fiberglass Lagging Cutting Table*	*N/A*	*HEPA Filter*	*CDMISC-019*	*PM/PM10*	
MISC-034	*STMISC-034*	*Fiberglass Lagging Area (Unknown) Fiberglass Lagging Cutting Table*	*N/A*	*Fabric Filter*	*CDMISC-034*	*PM/PM10*	
MISC-035	*STMISC-035*	*Asbestos Cutting Room Vacuum System Unknown*	*N/A*	*HEPA Filter*	*CDMISC-035*	*PM/PM10*	

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Internal Combustion Engines (Generators) - Shipyard

The internal combustion engines (generators) associated with this section of the permit consist of the following emission units: ICGF-002, ICGF-036 through ICGF-043, ICGF-047, ICGF-049 and ICGF-093.

A. Limitations

1. NO_x emissions from the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) shall be controlled by retarding the fuel injection timing by four degrees from standard timing. (9 VAC 5-80-110 and Condition 15 of 2/16/05 Permit)

2. The approved fuel for the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) is distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396-78 "Standard Specification for Fuel Oils." A change in the fuels may require a permit to modify and operate. (9 VAC 5-80-110 and Condition 17 of 2/16/05 Permit)

3. The maximum sulfur content of the oil to be burned in the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) shall not exceed 0.5 percent by weight per shipment. (9 VAC 5-80-110 and Condition 18 of 2/16/05 permit.)

4. The eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) shall consume no more than 286,936 gallons of distillate oil per year, calculated as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 16 of 2/16/05 Permit)

5. Emissions from the operation of the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) shall not exceed the limits specified below:

	EACH	COMBINED	
Particulate Matter	3.9 lbs/hr	4.8 tons/yr	(9 VAC 5-50-260)
PM-10	3.9 lbs/hr	4.8 tons/yr	(9 VAC 5-50-260)
Sulfur Dioxide	8.1 lbs/hr	10.0 tons/yr	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	47.9 lbs/hr	59.4 tons/yr	(9 VAC 5-50-260)
Carbon Monoxide	13.6 lbs/hr	16.9 tons/yr	(9 VAC 5-50-260)
Volatile Organic Compounds	3.5 lbs/hr	4.3 tons/yr	(9 VAC 5-50-260)

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 2, 3, and 4.
(9 VAC 5-80-110, and Condition 20 of 2/16/05 Permit)

6. Visible emissions from each of the eight diesel peak shaving/emergency generator (ICGF-036 through ICGF-043) stacks shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity. This condition applies at all times except during start-up, shutdown, or malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110 and Condition 21 of 2/16/05 Permit)

7. Generator emissions from the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) shall be controlled by proper operation and maintenance. Generator operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110 and Condition 52 of 2/16/05 Permit)

8. Visible emissions from each of the generators (ICGF-002, ICGF-047, ICGF-049 and ICGF-093) stacks shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity. This condition applies at all times except during start-up, shutdown, or malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

B. Monitoring

1. The permittee shall perform periodic visual evaluations of each stack from the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043) according to the schedule in Condition IV. B. 3. for compliance with opacity standards for Emission Units ICGF-036 through ICGF-043. If such periodic evaluations indicate an opacity $\geq$ 20%, observed by a qualified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110)

2. The permittee shall perform periodic visual evaluations of each stack from the dock crane/emergency generators (ICGF-002, ICGF-047, ICGF-049 and ICGF-093) according to the schedule in Condition IV. B. 3. for compliance with opacity standards for Emission Units ICGF-002, ICGF-047, ICGF-049 and ICGF-093. If such periodic evaluations indicate an opacity $\geq$ 20%, observed by a qualified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110)

3. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs /calendar month	Quarterly
< 50 hrs/calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

4. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil for the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043). Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the oil was received,

   c. The volume of distillate oil delivered in the shipment,

   d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and

   e. The maximum sulfur content of the oil.

   (9 VAC 5-80-110 and Condition 19 of 2/16/05 Permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of distillate oil (in 1000 gallons) for the eight diesel peak shaving/emergency generators (ICGF-036 through ICGF-043). The annual throughput shall be calculated as the sum of each consecutive 12-month period.

   b. All fuel supplier certifications for the peak shaving/emergency generators (ICGF-036 through ICGF-043).

c. Records of periodic visual evaluations, Method 9 visible emission evaluations and any corrective action taken. The Method 9 evaluation and/or corrective action incident details shall be recorded in a logbook.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
(9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 23 of the 2/16/05 Permit)

3. The permittee shall maintain records of the required training including a statement of time, place and nature training provided. The permittee shall have available written operating procedures and a maintenance schedule for the generators. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110 and Condition 52 of 2/16/05 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

IV. Cleaning and Abrasive Blasting Operations - Shipyard

The abrasive blasting units associated with this section of the permit consist of the following emission units: ABRA-007, ABRA-058, ABRA-066, ABRA-125 and CHMC-005.

A. Limitations

1. The total process weight rate for each individual process unit (ABRA-007, ABRA 058 and ABRA-066, each) shall be used for determining the maximum allowable emission rate of particulate that passes through a stack or stacks.
(9 VAC 5-40-22 C.1., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

2. Unless otherwise specified, the allowable particulate mass emission rate shall be determined for individual units of equipment.
(9 VAC 5-40-22 C.2., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

3. The particulate emission limit above the maximum process weight rate shall be determined by linear interpolation. For interpolation between two values on a process weight rate table the following equation should be used:

$$E = \left[E_G - E_L\right]\left[\frac{P - P_L}{P_G - P_L}\right] + E_L$$

where:
E = emission rate being calculated
E_L = emission rate for P_L as determined from the process weight rate table
E_G = emission rate for P_G as determined from the process weight rate table
P = process weight rate of the unit
P_L = process weight rate in the process weight rate table which is closest to but less than the process weight rate of the unit
P_G = process weight rate listed in the process weight rate table which is closes to but greater than the process weight rate of the unit

(9 VAC 5-40-22 C.3., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

4. Where the nature of any process or design of any equipment is such as to permit more than one interpretation of a regulation, the interpretation that results in the minimum value for allowable emissions shall apply.
(9 VAC 5-40-22 C.4., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

5. Interpolation of the data in 9 VAC 5-40-260 A (Table 4-4A) for process weight rates up to 60,000 lb/hr shall be accomplished by use of the following equation:

$$E = 4.10P^{0.67}$$

where:
E = emission rate in lb/hr
P = process weight rate in tons/hr

(9 VAC 5-40-260 C and 9 VAC 5-80-110)

6. Interpolation and extrapolation of the data for process weight rates in excess of 60,000 lb/hr shall be accomplished by use of the following equation:
   $E = 55.0P^{0.11} - 40$
   where:
   E = emission rate in lb/hr
   P = process weight rate in tons/hr

   (9 VAC 5-40-260 D and 9 VAC 5-80-110)

7. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20 percent opacity, except for one six-minute period in any one hour of not more than 30 percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition.
   (9 VAC 5-50-80 and 9 VAC 5-80-110)

8. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
   (9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

9. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-20 E and 9 VAC 5-80-110)

10. Each owner or operator of a remote-reservoir batch cold solvent cleaning machine (CHMC-005) shall employ a tightly fitting cover over the solvent sump that shall be closed at all times except during the cleaning of parts.
    (9 VAC 5-80-110 and 40 CFR 63.462 (b))

11. Each owner or operator of an immersion batch cold solvent cleaning machine shall comply with the following:

    a. Employ a tightly fitting cover that shall be closed at all times except during parts entry and removal, and a water layer at a minimum thickness of 2.5 centimeters (1.0 inch) on the surface of the solvent within the cleaning machine.

    (9 VAC 5-80-100 and 40 CFR 63.462 (a))

12. The approved media for the abrasive blast booth (ABRA-125) are Aluminum Oxide and Plastic. A change in the blasting media may require a permit to modify and operate.
    (9 VAC 5-80-100, 9 VAC 5-50-260 and Condition 3 of the 2/16/05 Permit)

13. Particulate Matter emissions from the abrasive blast booth (ABRA-125) shall be controlled by a cartridge filter. The cartridge filter shall be provided with adequate access for inspection and shall be in operation when the blasting nozzles are operating.
    (9 VAC 5-80-100, 9 VAC 5-50-260 and Condition 4 of the 2/16/05 Permit)

14. The cartridge filter shall be equipped with a device to continuously measure the differential pressure drop across the cartridge filter. The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the cartridge filter for the abrasive blast booth (ABRA-125) is operating.
    (9 VAC 5-80-100, 9 VAC 5-50-20 C, 9 VAC 5-50-260 and Condition 5 of the 2/16/05 Permit)

15. The gauge used to continuously measure the differential pressure drop across the cartridge filter on the abrasive blast booth (ABRA-125) shall be observed by the permittee with a frequency of not less than once per operating day to ensure good performance of the cartridge filter. The permittee shall keep a log of the observations from the differential pressure gauge.
    (9 VAC 5-80-100, 9 VAC 5-50-50 H and Condition 6 of the 2/16/05 Permit)

16. The throughput of aluminum oxide blasting media used in the abrasive blast booth (ABRA-125) shall not exceed 15,725 tons per year, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-100 and Condition 7 of the 2/16/05 Permit)

17. The throughput of plastic blasting media used in the abrasive blast booth (ABRA-125) shall not exceed 6,989 tons per year, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-100 and Condition 8 of the 2/16/05 Permit)

18. Emissions from the operation of the abrasive blast booth (ABRA-125) shall not exceed the limits specified below:

Particulate Matter	0.75 lbs/hr	3.3 tons/yr
PM-10	0.75 lbs/hr	3.3 tons/yr

    These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition numbers 16 and 17.
    (9 VAC 5-80-100, 9 VAC 5-50-260 and Condition 9 of the 2/16/05 Permit)

19. Visible emissions from the abrasive blast booth (ABRA-125) shall not exceed 10% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).
    (9 VAC 5-80-100, VAC 5-50-260 and Condition 10 of the 2/16/05 Permit)

B. Monitoring

1. The permittee shall perform an initial determination of compliance with the process weight rate emission standard listed in Table 4-4A of 9 VAC 5-40-260 for Emission Units ABRA-007, ABRA-058 and ABRA-066 within 90 days of the effective date of this permit. Thereafter, each time the process weight rate changes the permittee shall re-evaluate compliance with the process weight rate emission standard.
(9 VAC 5-80-110 E)

2. The permittee shall perform periodic visual evaluations of each stack according to the schedule in Condition V. B. 3. during normal operating conditions for compliance with opacity standards for Emission Units ABRA-007, ABRA-058, ABRA-066 and ABRA-125. If such periodic evaluations indicate any opacity condition for ABRA-125 or an opacity ≥ 20%, for units ABRA-007, ABRA-058 and ABRA-066, observed by a qualified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110)

3. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs /calendar month	Quarterly
< 50 hrs/calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

4. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

C. Reporting and Recordkeeping

1. The Norfolk Naval Shipyard will develop, maintain, in writing, and have available to all operators operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment will be established and made available to the DEQ for review. Records of service and maintenance will be maintained on file by the permittee for a period of 5 years.
(9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Initial process weight rate emission limit determination, performed within 90 days of the effective date of this permit;

   b. Subsequent process weight rate emission limit determinations; and,

   c. Records of periodic visual evaluations, Method 9 visible emission evaluations and any corrective action taken. The Method 9 evaluation and/or corrective action incident details shall be recorded in a logbook.

   d. Annual throughput of aluminum oxide blasting media in ABRA-125, calculated monthly as the sum of each consecutive 12-month period,

   e. Annual throughput of plastic blasting media in ABRA-125, calculated monthly as the sum of each consecutive 12-month period, and

   f. Logs of differential pressure gauge observations for ABRA-125.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
   (9 VAC 5-80-110 and Condition 11 of the 2/16/05 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
   (9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

   (9 VAC 5-80-110)

V. Metal Working Operations - Shipyard

The metal working units associated with this section of the permit consists of the following emission unit: MTWK-005.

A. Limitations

1. The total process weight rate for each individual process unit (MTWK-005) shall be used for determining the maximum allowable emission rate of particulate that passes through a stack or stacks.
(9 VAC 5-40-22 C.1., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

2. Unless otherwise specified, the allowable particulate mass emission rate shall be determined for individual units of equipment.
(9 VAC 5-40-22 C.2., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

3. The particulate emission limit above the maximum process weight rate shall be determined by linear interpolation. For interpolation between two values on a process weight rate table the following equation should be used:

$$E = \left[E_G - E_L\right]\left[\frac{P - P_L}{P_G - P_L}\right] + E_L$$

where:
E = emission rate being calculated
E_L = emission rate for P_L as determined from the process weight rate table
E_G = emission rate for P_G as determined from the process weight rate table
P = process weight rate of the unit
P_L = process weight rate in the process weight rate table which is closest to but less than the process weight rate of the unit
P_G = process weight rate listed in the process weight rate table which is closes to but greater than the process weight rate of the unit

(9 VAC 5-40-22 C.3., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

4. Where the nature of any process or design of any equipment is such as to permit more than one interpretation of a regulation, the interpretation that results in the minimum value for allowable emissions shall apply.
(9 VAC 5-40-22 C.4., 9 VAC 5-40-260 B and 9 VAC 5-80-110)

5. Interpolation of the data in 9 VAC 5-40-260 A (Table 4-4A) for process weight rates up to 60,000 lb/hr shall be accomplished by use of the following equation:

$$E = 4.10P^{0.67}$$

where:
E = emission rate in lb/hr
P = process weight rate in tons/hr

(9 VAC 5-40-260 C and 9 VAC 5-80-110)

6. Interpolation and extrapolation of the data for process weight rates in excess of 60,000 lb/hr shall be accomplished by use of the following equation:
   $E = 55.0P^{0.11} - 40$
   where:
   E = emission rate in lb/hr
   P = process weight rate in tons/hr

   (9 VAC 5-40-260 D and 9 VAC 5-80-110)

7. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20 percent opacity, except for one six-minute period in any one hour of not more than 30 percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition.
   (9 VAC 5-50-80 and 9 VAC 5-80-110)

B. Monitoring

1. The permittee shall perform an initial determination of compliance with the process weight rate emission standard listed in Table 4-4A of 9 VAC 5-40-260 for Emission Unit MTWK-005 within 90 days of the effective date of this permit. Thereafter, each time the process weight rate changes the permittee shall re-evaluate compliance with the process weight rate emission standard.
   (9 VAC 5-80-110 E)

C. Reporting and Recordkeeping

1. The Norfolk Naval Shipyard will develop, maintain, in writing, and have available to all operators operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment will be established and made available to the DEQ for review. Records of service and maintenance will be maintained on file by the permittee for a period of 5 years.
   (9 VAC 5-80-110)
2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Initial process weight rate emission limit determination, performed within 90 days of the effective date of this permit;

   b. Subsequent process weight rate emission limit determinations; and,

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
   (9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Method 5, 17

(9 VAC 5-80-110)

VI. Coating Operations - Shipyard

The coating units associated with this section of the permit consists of the following emission units: OCOT-001, OCOT-002, OCOT-003, PNTO-009, PNTO-010 through PNTO-013, PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-009, PNTS-011, PNTS-018, PNTS-019, PNTS-028, PNTS-029, PNTS-030, PNTS-031, PNTS-033, EPLT-001 through EPLT-066, EPLT-068, EPLT-070, EPLT-072, EPLT-074, EPLT-076, EPLT-078, EPLT-080, EPLT-082, EPLT-084, EPLT-086, EPLT-088, EPLT-090, EPLT-092, EPLT-094, EPLT-096, EPLT-098.

A. Limitations

1. Emissions of Volatile Organic Compounds from the surface coating operations (PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-009, PNTS-028, PNTS-031, PNTS-033, OCOT-001, OCOT-002, OCOT-003) shall not exceed the following limits:

   a. 4.3 pounds per gallon of coating, excluding water, delivered to the coating applicator that applies clear coatings;

   b. 3.5 pounds per gallon of coating, excluding water, delivered to a coating applicator in a coating application system that utilizes air or forced air dryers;

   c. 3.5 pounds per gallon of coating, excluding water, delivered to a coating applicator that applies performance coatings;

   d. 3.0 pounds per gallon of coating, excluding water, delivered to a coating applicator for all other coatings and coating application systems;

   e. 3.8 pounds per gallon of coating, excluding water, delivered to a coating applicator for vinyl coatings.

   (9 VAC 5-40-4780 A, 9 VAC 5-40-4480 A, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

2. Emissions of Volatile Organic Compounds from the coating operations (PNTS-002, OVNE-001, OVNE-002) shall not exceed 3.0 lbs/gal (excluding water, as applied).
   (9 VAC 5-40-4630 A, and 9 VAC 5-80-110)

3. No coating application system or equipment (PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-009, PNTS-028, PNTS-031, PNTS-033, OCOT-001, OCOT-002, OCOT-003) shall be used unless reasonable precautions are taken to minimize the discharge or emissions from cleaning or purging operations. Reasonable precautions may include the following:

   a. The use of capture or control devices, or both;

   b. The use of detergents, high pressure water, or other non-volatile cleaning methods;

   c. The minimization of the quantity of volatile organic compounds used to clean lines of equipment; and,

   d. The adjustment of production schedules to minimize coating changes thereby reducing the need for frequent cleaning or purging of a system.

   (9 VAC 5-40-4780 D, 9 VAC 5-40-4480 C, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

4. The emission standards listed in Section VI.A for Emission Units PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-009, PNTS-028, PNTS-031, PNTS-033, OCOT-001, OCOT-002, OCOT-003 apply coating by coating or to the volume weighted average of coatings where the coatings are used on a single coating application system and the coatings are the same type or perform the same function. Such averaging shall not exceed 24 hours.
(9 VAC 5-40-4840 B, 9 VAC 5-40-4540 B, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

5. At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

6. At all times, including periods of startup, shutdown and malfunction, the surface coating operations and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E, 9 VAC 5-60-20 A.2, 40 CFR 63.342(f)(1)(i) and 9 VAC 5-80-110)

7. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied VOHAP content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.783(a))

8. Each owner or operator of a new or existing affected source shall ensure that:

   a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

   b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

   (9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.783(b))

9. Particulate emissions from emission units PNTS-005, PNTS-006, PNTS-018, PNTS-019, PNTS-028, PNTS-029, PNTS-030 and PNTS-033 shall be controlled by dry particulate filters and minimization of overspray. The filter shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained such that it is in proper working order at all times. The paint spray booth shall have adequate access for inspection.
(9 VAC 5-80-110 and Condition 26 of the 2/16/05 Permit)

10. Particulate emissions from the thermal spray booths (PNTO-011 and PNTO-013) shall be controlled by dry particulate filters and minimization of overspray. The filter shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained such that it is in proper working order at all times. The paint spray booth shall have adequate access for inspection.
(9 VAC 5-80-110 and Condition 27 of the 2/16/05 Permit)

11. Particulate emissions from the powder coating spray booth (PNTO-015) shall be controlled by dry particulate filters and minimization of over spray. The filters shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. The powder coating spray booth shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 28 of the 2/16/05 Permit)

12. The combined annual throughput of coatings, as applied, including thinners and solvents, for the spray both PNTS-029 shall not exceed 2940 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 29 of the 2/16/05 Permit)

13. The combined annual throughput of coatings, as applied, including thinners and solvents, for the spray paint booth PNTS-006 shall not exceed 6450 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 30 of the 2/16/05 Permit)

14. The combined annual throughput of coatings, as applied, including thinners and solvents, for the spray paint booth PNTS-030 shall not exceed 3500 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 31 of the 2/16/05 Permit)

15. The combined annual throughput of coatings, as applied, including thinners and solvents, for the spray paint booth PNTS-019 shall not exceed 117 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 32 of the 2/16/05 Permit)

16. The combined annual throughput of coatings, as applied, including thinners and solvent, for the spray paint booth PNTS-028 shall not exceed 2500 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 33 of the 2/16/05 Permit)

17. The combined annual throughput of powder for the thermal spray booths PNTO-011 and PNTO-013 shall not exceed 18,942 pounds, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 34 of the 2/16/05 Permit)

18. The combined annual throughput of coatings, as applied, including thinners and solvent, for the spray paint booth (PNTS-033), shall not exceed 750 gallons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 35 of the 2/16/05 Permit)

19. The combined annual throughput of powder for the powder coating spray booth (PNTO-015) shall not exceed 1,600 pounds, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 36 of the 2/16/05 Permit)

20. Emissions from the spray paint booth PNTS-029 shall not exceed the limits specified below:

Volatile Organic Compounds	3.5 lbs/hr	5.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Annual emissions shall be determined as the sum of each consecutive 12-month period. Compliance with these emission limits may be determined as stated in Condition 12 of this section.
(9 VAC 5-80-110 and Condition 37 of the 2/16/05 Permit)

21. Emissions from the operation of the spray paint booth PNTS-006 shall not exceed the limits specified below:

Volatile Organic Compounds	32.8 lbs/hr	13.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Annual emissions shall be determined as the sum of each consecutive 12-month period. Compliance with these emission limits may be determined as stated in Condition 13 of this section.
(9 VAC 5-80-110 and Condition 38 of the 2/16/05 Permit)

22. Emissions from the operation of the spray paint booth PNTS-030 shall not exceed the limits specified below:

Volatile Organic Compounds	175.0 lbs/hr	6.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Annual emissions shall be determined as the sum of each consecutive 12-month period. Compliance with these emission limits may be determined as stated in Condition 14 of this section.
(9 VAC 5-80-110 and Condition 39 of the 2/16/05 Permit)

23. Emissions from the operation of the spray paint booth (PNTS-019), shall not exceed the limits specified below:

Volatile Organic Compounds	31.5 lbs/hr	11.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition number 15.
(9 VAC 5-80-110 and Condition 40 of the 2/16/05 Permit)

24. Emissions from the spray paint booth (PNTS-028) shall not exceed the limits specified below:

Volatile Organic Compounds	20.8 lbs/hr	13.0 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition number 16.
(9 VAC 5-80-110 and Condition 41 of the 2/16/05 Permit)

25. Emissions from the spray paint booth (Ref. No. PNTS-033) shall not exceed the limits specified below:

Volatile Organic Compounds	52.5 lbs/hr	1.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition number 18.
(9 VAC 5-80-110 and Condition 42 of the 2/16/05 Permit)

26. Visible emissions from each spray paint booth (PNTS-006, PNTS-019, PNTS-028, PNTS-029, PNTS-030 and PNTS-033) exhaust shall not exceed five 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 43 of the 2/16/05 Permit)

27. Visible emissions from each thermal spray booth (PNTO-011 and PNTO-013) exhaust shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 44 of the 2/16/05 Permit)

28. Visible emissions from the powder coating spray booth (PNTO-015) exhaust shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 45 of the 2/16/05 Permit)

29. Emissions from the Hard Chromium Electroplating Tanks (EPLT-062, EPLT-063, EPLT-065) shall not exceed the limits specified below:

    Total Chromium 0.015 mg/dscm or 6.6×10^{-6} gr/dscf

    (9 VAC-80-110 and 63.342(c)(1)(i))

30. Emissions from the Chromium Anodizing Tank (EPLT-046) shall not exceed the limits specified below:

    Total Chromium 0.010 mg/dscm or 4.4×10^{-6} gr/dscf

    (9 VAC-80-110 and 63.342(d)(1))

31. The Surface Tension in the Decorative Chromium Electroplating Tank (EPLT-062) shall not exceed the limits specified below:

    Surface Tension 45 dynes/cm or 3.1×10^{-3} lb_f/ft

    (9 VAC-80-110 and 63.342(d)(2)

32. Emissions from the electroplating facility (EPLT-001 through EPLT-065) shall not exceed the limits specified below:

HCN	0.05 tons/yr
NaOH	0.73 tons/yr
HCl	0.20 tons/yr
HF	0.63 tons/yr
H_2SO_4	1.25 tons/yr
HNO_3	0.36 tons/yr
CrO_3	0.15 tons/yr
$NaSO_4$	0.02 tons/yr
Ni Chromate	0.17 tons/yr

    Annual emissions shall be determined as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 13 of the 2/16/05 Permit)

B. Monitoring

1. For each batch of coating that is received, the permittee shall:

    a. Determine the coating category (or categories) and the applicable VOHAP limit as specified in 63.783(a) for PNTO-012 and PNTS-002, 004-006, 011, 018, 019, 029-031, 033.

b. Certify the as-supplied VOC content of the batch of coating for coating units identified as OCOT, PNTO, PNTS.

(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.785)

2. The permittee shall perform periodic visual evaluations of each stack according to the schedule in Condition VI. B. 5. during periods of normal operating conditions for compliance with the opacity standard. If such periodic evaluations indicate any opacity condition for PNTO-011, 013 & 015 and PNTS-006, 019, 028, 030 and 033 or an opacity ≥ 20%, for other units identified in Section VI of this permit, observed by a qualified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A). Emission units OCOT-002, OCOT-003, PNTO-009, PNTO-010, and PNTS-031 are exempt from VEE determination because these units vent inside of buildings.
(9 VAC 5-80-110)

3. Plating operations (EPLT-046, EPLT-062, EPLT-063, and EPLT-065) shall comply with established work practice standards including:

   a. Utilization of air pollution control practices;

   b. Development and implementation of an acceptable Operation and Maintenance (O & M) plan as outlined in 63.342(f)(3)(A-E).

   (9 VAC 5-80-110 and 63.342(f)(3))

4. Emissions from the plating operations shall be calculated monthly using the mass transfer method based on Raoult's Law. The annual emissions shall be calculated as the sum of each consecutive 12-month period.
(9 VAC 5-80-110)

5. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs /calendar month	Quarterly
< 50 hrs/calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

6. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of coatings and solvents (in gallons) used in each shipbuilding and ship repair coating operation (PNTO-012 PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-011, PNTS-018, PNTS-019, PNTS-029, PNTS-030, PNTS-031 and PNTS-033), calculated monthly as the sum of each consecutive 12-month period,

   b. The annual throughput of VOHAPS for each shipbuilding and ship repair coating operation (PNTO-012, PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-011, PNTS-018, PNTS-019, PNTS-029, PNTS-030, PNTS-031 and PNTS-033), calculated monthly as the sum of each consecutive 12-month period,

   c. Coating information for each shipbuilding and ship repair coating operation (PNTO-012, PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-011, PNTS-018, PNTS-019, PNTS-029, PNTS-030, PNTS-031 and PNTS-033), which includes type, stock number, manufacturer, id number, amount used, VOC content and date used documented via daily usage sheets,

   d. The annual throughput (in gallons) of coatings and solvents used in the spray paint booth (PNTS-028), calculated monthly as the sum of each consecutive 12-month period,

   e. The current MSDS for each coating and solvent used in any spray paint booth indicating the VOC and individual HAP content in percent by weight,

   f. The annual throughput of powder (in pounds) used in the thermal spray booths (PNTO-011 and PNTO-013), calculated monthly as the sum of each consecutive 12-month period,

   g. The current MSDS or other vendor information for each powder used in each thermal or powder coating spray booth operation (PNTO-011, PNTO-013 and PNTO-015), showing individual HAP content for each coating used in percent by weight.

   h. Annual throughput of powder (in pounds) used in the powder coating spray booth (PNTO-015), calculated monthly as the sum of each consecutive 12-month period,

   i. The recordkeeping requirements in Table 3 of Subpart II of 40 CFR Part 63 for each shipbuilding and ship repair coating operation (PNTO-012, PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-011, PNTS-018, PNTS-019, PNTS-029, PNTS-030, PNTS-031 and PNTS-033),

   j. The annual emissions from the plating operation, calculated monthly as the sum of each consecutive 12-month period, and

   k. Records of periodic visual evaluations, Method 9 visible emission evaluations and any corrective action taken. The Method 9 evaluation and/or corrective action incident details shall be recorded in a logbook.

These records shall be available on site for inspection by DEQ and shall be current for the most recent 5 years.
(9 VAC 5-80-110 and Conditions 14 and 46 of the 2/16/05 Permit)

2. Each owner or operator of a major source shipbuilding or ship repair facility having surface coating operations with less than 264 gallons annual marine coating usage shall record the total volume of coating applied at the source to ships. Such records shall be compiled monthly and maintained for a minimum of 5 years.
(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.788(b)(1))

3. Each owner or operator of an affected source (40 CFR Part 63 Subpart II) shall compile records on a monthly basis and maintain those records for a minimum of 5 years. At a minimum, these records shall include:

   a. All documentation supporting initial notification;

   b. A copy of the affected source's approved implementation plan;

   c. The volume of each low-usage-exempt coating applied;

   d. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

   e. Certification of the as-supplied VOC content of each batch of coating,;

   f. A determination of whether containers meet the standards as described in 40 CFR 63.783(b)(2); and,

   g. The results of any Method 24 of Appendix A to 40 CFR Part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.

   h. Additional information as determined by the compliance procedure(s) described in 40 CFR 63.785(c) that the affected source followed.

   (9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.788(b)(2) and 40 CFR 63.788(b)(3))

4. Before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator shall submit a report to the Administrator for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that information specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information specified in paragraph (b)(4) of 40 CFR 63.784 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the source.
(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.788(c))

5. The permittee shall have available written operating procedures for the air pollution control equipment at the following emission sources: spray paint booths (PNTS-006, PNTS-019, PNTS-028, PNTS-029, PNTS-030 and PNTS-033), and thermal spray booths (PNTO-011 PNTO-013 and PNTO-015). Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at minimum. The permittee shall maintain records of training provided including names of trainees, date of training and nature of training.
(9 VAC 5-80-110 and Condition 52 of the 2/16/05 Permit)

6. The permittee shall submit reports of all emission data and operating parameters for the shipbuilding and ship repair powder and spray paint booths/operations (PNTO-012, PNTO-015, PNTS-002, PNTS-004, PNTS-005, PNTS-006, PNTS-011, PNTS-018, PNTS-019, PNTS-029, PNTS-030, PNTS-031 and PNTS-033) to demonstrate compliance in accordance with NESHAP Subpart II, 63.788 (c).
(9 VAC 5-80-110 and Condition 47 of the 2/16/05 Permit)

7. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment from the spray paint booths (PNTS-006, -019, -028, -029, and -030) and thermal spray booths (PNTO-011 and -013), the permittee shall:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of 5 years and shall be made available to DEQ personnel upon request; and

   b. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns.

   (9 VAC 5-80-110 and Condition 52 of the 2/16/05 Permit)

8. Each owner or operator of an affected source (40 CFR Part 63 Subpart N) shall compile records as specified in 63.346(b) on a monthly basis and maintain those records for a minimum of 5 years.
(9 VAC 5-80-110 and 40 CFR 63.346)

9. Each owner or operator of an affected source (40 CFR Part 63 Subpart N) shall meet the reporting requirements as specified in 63.347.
(9 VAC 5-80-110 and 40 CFR 63.347)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9
Surface Tension	EPA Method 306B

(9 VAC 5-80-110)

VII. Wood Working Operations - Shipyard

The emission units associated with this section are units: WOOD-002, WOOD-003, WOOD-004, WOOD-005.

A. Limitations

1. Particulate emissions caused by any woodworking operation (WOOD-002, WOOD-003, WOOD-004 and WOOD-005) shall not be discharged into the atmosphere without providing, as a minimum, for their collection, adequate duct work and properly designed collectors, or such other devices, as approved by the board.
(9 VAC 5-40-2270 A, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

2. Particulate emissions from each woodworking operation (WOOD-002, WOOD-003, WOOD-004 and WOOD-005) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-40-2270 B, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

3. Visible emissions from each woodworking operation (WOOD-002, WOOD-003, WOOD-004 and WOOD-005) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20 A.2, 9 VAC 5-50-80 and 9 VAC 5-80-110)

4. At all times, including periods of startup, shutdown and malfunction, the woodworking operations and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

5. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring

1. The permittee shall perform periodic visual evaluations of each stack according to the schedule in Condition VIII. B. 2. for compliance with opacity standards for Emission Units WOOD-002, WOOD-003, WOOD-004 and WOOD-005. If such periodic evaluations indicate an opacity $\geq$ 20%, observed by a qualified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 E)

2. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs /calendar month	Quarterly
< 50 hrs/calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

3. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Records of periodic visual evaluations, Method 9 visible emissions evaluations and any corrective action taken. The Method 9 evaluation and/or corrective action incident details shall be recorded in a logbook.

   b. DEQ-approved, pollutant-specific emission factors used to show compliance with the emission limits contained in Section VII.A. of this permit.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
   (9 VAC 5-80-110)

2. Incidental wood furniture manufacturing facilities shall maintain purchase or usage records demonstrating that the source uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components.
(9 VAC 5-80-110 and 40 CFR 63.800(a))

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

VIII. Liquid Handling Operations - Shipyard

The Shipyard Liquid Handling Operations associated with this section of the permit are the emission units GSTA-001and GSTA-005.

A. Limitations

1. No owner or other person shall transfer or permit the transfer of gasoline from any tank truck into any stationary storage tank with a capacity greater than or equal to 250 gallons and an average monthly throughput greater than or equal to 10,000 gallons per month unless such tank is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions. Achievement of this emission standard by use of one of the following will be acceptable to the board:

   a. A submerged fill pipe;

   b. A vapor control system with the vapor recovery portion consisting of one of the following:

      (1) A vapor tight return line from the storage container to the tank truck which shall be connected before gasoline is transferred into the container;

      (2) Any adsorption system or condensation system; or

      (3) Any system of equal or greater control efficiency to the systems in (1) or (2), provided such system is approved by the board.

   c. A vapor control system with the vapor balance portion meeting the following criteria:

      (1) There should be no leaks in the tank truck's pressure vacuum relief valves and hatch covers, nor truck tanks, storage tanks and associated vapor return lines during loading or unloading operations;

      (2) The pressure relief valves on storage containers and tank trucks should be set to release at no less than 0.7 psi or the highest possible pressure (in accordance with the following National Fire Prevention Association Standards: NFPA 385, Standard for Tank Vehicles for Flammable and Combustible Liquids; NFPA 30, Flammable and Combustible Liquids Code; NFPA 30A, Automotive and Marine Service Station Code (see Appendix M));

      (3) Pressure in the vapor collection lines should not exceed tank truck pressure relief valve settings; and

      (4) All loading and vapor lines should be equipped with fittings which make vapor tight connections and which close when disconnected.

      (9 VAC 5-40-5220 E and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the gasoline pumps and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

3. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring

1. At least annually (12 consecutive months), the permittee shall observe a gasoline delivery to GSTA-001 and GSTA-005 for the Stage I vapor recovery system usage to ensure the Stage I connector on the tank is operating properly. The observations shall be recorded, kept at the facility, and made available for inspection by the DEQ for the most recent 5 year period.
(9 VAC 5-80-110 E)

C. Testing

1. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods or other DEQ approved methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
Leak Detection	EPA 450/2-78-051 Appendix B

(9 VAC 5-80-110)

IX. Insignificant Emission Units - Shipyard

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720 (The following list of insignificant emission units is provided for informational purposes only. It is not necessary for this list to be updated as insignificant units or activities are added, removed, or relocated):

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
ABRA-GRP	*Abrasive Blasting gloveboxes*	*9 VAC 5-80-720 B*	*Antimony compounds* *Cadmium compounds* *Chromium compounds* *Cobalt compounds* *Cyanide Compounds* *Lead compounds* *Manganese compounds* *Nickel compounds* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns PM10), Total* *Phosphorus (yellow or white)*	*Not Applicable*
BOIL-005	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*9.0 MM Btu/hr*
BOIL-006	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*9.0 MM Btu/hr*
BOIL-007	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*4.0 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
BOIL-009	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*Arsenic* *Beryllium* *Cadmium* *Carbon monoxide* *Chromium* *Formaldehyde* *Lead* *Manganese* *Mercury* *Nickel* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *POM (Polycyclic organic matter)* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*2.09 MM Btu/hr*
BOIL-011	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*Arsenic* *Beryllium* *Cadmium* *Carbon monoxide* *Chromium* *Formaldehyde* *Lead* *Manganese* *Mercury* *Nickel* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *POM (Polycyclic organic matter)* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*2.09 MM Btu/hr*
BOIL-105	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*Arsenic* *Beryllium* *Cadmium* *Carbon monoxide* *Chromium* *Formaldehyde*	*2.09 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Lead *Manganese* *Mercury* *Nickel* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *POM (Polycyclic organic matter)* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	
BOIL-107	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*Arsenic* *Beryllium* *Cadmium* *Carbon monoxide* *Chromium* *Formaldehyde* *Lead* *Manganese* *Mercury* *Nickel* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *POM (Polycyclic organic matter)* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*2.09 MM Btu/hr*
BOIL-123	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*5.0 MM Btu/hr*
BOIL-125	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*9.9 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
BOIL-127	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*9.9 MM Btu/hr*
BOIL-GP5	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*11 @ 0.19 MM Btu/hr*
CAST-004	*Casting Pot Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-001	*Alkaline Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-002	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-003	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-004	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-006	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Hydrogen chloride*	*Not Applicable*
CHMC-007	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Hydrogen fluoride*	*Not Applicable*
CHMC-008	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Dichromic acid, disodium salt Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
CHMC-009	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Dichromic acid, disodium salt Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
CHMC-010	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total Sodium chromate*	*Not Applicable*
CHMC-011	*Rinse Tank Emissions*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total Sodium chromate*	*Not Applicable*
CHMC-012	*Neutralization Tank Emissions*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
CHMC-013	*Rinse Tank Emissions*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
CHMC-014	*Boiler Tube Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-015	*Boiler Tube Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
CHMC-016	*Chemical Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-017	*Chemical Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-019	*Nitric Acid Cleaning Line*	*9 VAC 5-80-720 B*	*NOx (Nitrogen oxides)*	*Not Applicable*
CHMC-020	*Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-022	*Cleaning Tank*	*9 VAC 5-80-720 B*	*Chlorine*	*Not Applicable*
CHRG-GRP	*Battery Charging Operations*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CLNO-001	*Cleaning Machine*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
CLNO-003	*Gear Cleaning Bench*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
CLNO-009	*Silk Screening Cleaning Operation*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
DEGA-GRP	*Aqueous Degreasing Operations*	*9 VAC 5-80-720 A*	*Not Applicable*	*Not Applicable*
DEGS-GRP	*Solvent Degreasers/Parts Washers*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
ENGT-002	*Small Engine Testing*	*9 VAC 5-80-720 B*	*1,3-Butadiene* *Acenaphthene* *Acenaphthylene* *Acetaldehyde* *Acrolein* *Anthracene* *Benz(a)anthracene* *Benzene* *Benzo(a)pyrene* *Benzo(b)fluoranthene* *Benzo(g,h,i)perylene* *Benzo(k)fluoranthene* *Carbon monoxide* *Chrysene* *Dibenz(a,h)anthracene* *Fluoranthene* *Fluorene* *Formaldehyde*	*25 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Indeno(1,2,3-cd)pyrene *Naphthalene* *NOx (Nitrogen oxides)* *PAH* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Phenanthrene* *Pyrene* *SOx (Sulfur oxides)* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	
ENGT-003	*Small Engine Testing*	*9 VAC 5-80-720 B*	*1,3-Butadiene* *Acenaphthene* *Acenaphthylene* *Acetaldehyde* *Acrolein* *Anthracene* *Benz(a)anthracene* *Benzene* *Benzo(a)pyrene* *Benzo(b)fluoranthene* *Benzo(g,h,i)perylene* *Benzo(k)fluoranthene* *Carbon monoxide* *Chrysene* *Dibenz(a,h)anthracene* *Fluoranthene* *Fluorene* *Formaldehyde* *Indeno(1,2,3-cd)pyrene* *Naphthalene* *NOx (Nitrogen oxides)* *PAH* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Phenanthrene* *Pyrene*	*25 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			SOx (Sulfur oxides) *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	
FREN-027	*Freon Cleaning Hood*	*9 VAC 5-80-720 B*	*Ozone Depleting Substances*	*Not Applicable*
FREN-GRP	*Portable Refrigerant Recovery Units*	*9 VAC 5-80-720 B*	*Ozone Depleting Substances*	*Not Applicable*
FURN-002	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-003	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-006	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-007	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.3 MM Btu/hr*
FURN-008	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.8 MM Btu/hr*
FURN-009	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)*	*1.5 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter (PM), Total *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	
FURN-030	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-031	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-032	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-033	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-046	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.8 MM Btu/hr*
FURN-051	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*0.8 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			SOx (Sulfur oxides) *VOC (Volatile organic compounds)*	
FURN-052	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.8 MM Btu/hr*
FURN-055	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.8 MM Btu/hr*
FURN-056	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-057	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-058	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-059	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.8 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
FURN-060	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*0.194 MM Btu/hr*
FURN-061	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-065	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-067	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-071	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-072	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides) Particulate Matter (PM), Total Particulate Matter < 10 Microns (PM10), Total SOx (Sulfur oxides) VOC (Volatile organic compounds)*	*0.29 MM Btu/hr*
FURN-074	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide NOx (Nitrogen oxides)*	*1.5 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter (PM), Total *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	
FURN-075	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-077	*External Combustion Boilers,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
FURN-089	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.25 MM Btu/hr*
FURN-090	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.25 MM Btu/hr*
FURN-091	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.25 MM Btu/hr*
FURN-092	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*0.25 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			SOx (Sulfur oxides) *VOC (Volatile organic compounds)*	
FURN-093	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.0006 MM Btu/hr*
FURN-094	*External Combustion Boilers,Space Heaters (0.3 to 10 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*4.34 MM Btu/hr*
FURN-095	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.25 MM Btu/hr*
GSTA-003	*Commercial Diesel Service Station for Personal Vehicles @ Bldg 237*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
ICGF-001	*Internal Combustion Engines,Comercial Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total,*	*77 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter < 10 Microns (PM10), Total	
ICGF-022	*Internal Combustion Engines,Comercial Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*94 Hp*
ICGF-023	*Internal Combustion Engines,Industrial*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*545 Hp*
ICGF-024	*Internal Combustion Engines,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene,*	*8 Kw*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-025	*Internal Combustion Engines,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*34 Hp*
ICGF-026	*Internal Combustion Engines,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene,*	*275 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-027	*Internal Combustion Engines,Commercial/Institutional*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*50 Hp*
ICGF-045	*Internal Combustion Engines,Industrial (10-100 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH,*	*350 hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-048	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*380 Hp*
ICGF-050	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers),*	*10 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-055	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 Hp*
ICGF-057	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*322 Hp*
ICGF-059	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde,*	*322 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-063	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*235 Hp*
ICGF-065	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene,*	*235 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-067	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*322 Hp*
ICGF-083	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene,*	*310 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-085	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 kW*
ICGF-087	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds),*	*380 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-088	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*125 kW*
ICGF-089	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 kW*
ICGF-091	*Internal Combustion Engines,Commercial/Institutional*	*9 VAC 5-80-720 B,*	*1,3-Butadiene, Acenaphthene,*	*30 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
	(0.3-10 MMBtu/hr)	*9 VAC 5-80-720 C*	*Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	
ICGF-095	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 Hp*
ICGF-096	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene,*	*350 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-099	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*225 Hp*
ICGF-102	*Internal Combustion Engine*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde,*	*75 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-103	*Internal Combustion Engine*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*63 kW*
ICGF-106	*Internal Combustion Engine*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene,*	*63 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-107	*Internal Combustion Engine*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*75 kW*
ICGF-108	*Internal Combustion Engine*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*48 kW*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
ICGF-121	*Internal Combustion Engine Comercial- Institutional*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*2 kW*
ICGM-063	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*250 kW*
IWTP-011	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol Naphthalene Benzene Toluene*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Ethylbenzene *Xylene* *Arsenic* *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	
IWTP-012 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol* *Naphthalene* *Benzene* *Toluene* *Ethylbenzene* *Xylene* *Arsenic* *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	*Not Applicable*
IWTP-013 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol* *Naphthalene* *Benzene* *Toluene* *Ethylbenzene* *Xylene* *Arsenic* *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	*Not Applicable*
IWTP-014 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol* *Naphthalene* *Benzene* *Toluene* *Ethylbenzene* *Xylene*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Arsenic *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	
IWTP-015 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol* *Naphthalene* *Benzene* *Toluene* *Ethylbenzene* *Xylene* *Arsenic* *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	*Not Applicable*
IWTP-016 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol* *Naphthalene* *Benzene* *Toluene* *Ethylbenzene* *Xylene* *Arsenic* *Cadmium* *Chromium* *Lead* *Nickel* *Mercury*	*Not Applicable*
LAB-GRP	*Laboratory Hoods*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MISC-004	*Polyurethane Molding Hoods*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
MISC-007	*Paper Shredder Operation*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
MISC-021	*AC&R Shop D/C's*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MISC-023	*Engine Test Shop D/Cs*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MISC-025	*Room 136 D/C (DC-7)*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MISC-027	*Room 136 D/C (DC-6)*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
MISC-031	*Insulation Shop (Out of Service)*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MISC-040	*Rubber Cutting Area*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
MISC-052	*Plexiglass cutting machine*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
MTWK-GRP	*Metal Working Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not applicable.*
OCOT-005	*Gluinhg/Sealing Operation*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OCOT-006	*Wood Staining*	*9 VAC 5-80-720 B*	*2-Butoxy ethanol* *2-Butoxyethyl acetate* *2-Ethoxyethanol acetate* *Chromate* *Dioctyl phthalate* *Ethylbenzene* *Ethylene glycol* *Hexane* *Hexane, normal* *Lead* *Lead compounds* *Manganese* *Methanol* *Methyl ethyl ketone* *Methyl isobutyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *Vinyl acetate* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNC-002	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.4 MM Btu/hr*
OVNC-003	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,*	*Carbon monoxide*	*1.4 MM Btu/hr*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
		9 VAC 5-80-720 C	*NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	
OVNC-004	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*1.5 MM Btu/hr*
OVNC-010	*External Combustion Boilers,Commercial/Institutional(0.3-10MMBtu/hr)*	*9 VAC 5-80-720 B*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.8 MM Btu/hr*
OVNE-001	*Drying Oven #1*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
OVNE-002	*Drying Oven #2*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
OVNE-003	*Teflon Drying Oven*	*9 VAC 5-80-720 B*	*Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNE-005	*Electric Paint Drying Oven #2*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
OVNE-006	*Electric Paint Drying Oven #3*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
OVNE-008	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNE-009	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNE-010	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
OVNE-011	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNE-014	*Plasticol Bake-Off Oven*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
OVNE-015	*Electric Drying Oven*	*9 VAC 5-80-720 B*	*Ethylene glycol* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
OVNE-016	*Powder Coat Curing Oven*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
PNTO-005	*Crane Painting – Spray cans*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
PNTO-006	*Silk Screening/Handpainting*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
PNTS-007	*Spray Painting*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
PNTS-010	*Spray Painting*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
PNTS-020	*Paint Booth*	*9 VAC 5-80-720 B*	*1,6-Diisocyanatohexane* *Ethylbenzene* *Glycol ethers* *Methyl ethyl ketone* *Methyl isobutyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
PNTS-021	*Spray Painting*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
PNTS-022	*Spray Painting*	*9 VAC 5-80-720 B*	*Methyl ethyl ketone* *Particulate Matter (PM), Total*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter < 10 Microns (PM10), Total *Toluene* *VOC (Volatile organic compounds)*	
PNTS-025	*Paint Booth*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
PNTS-026	*Paint Booth*	*9 VAC 5-80-720 B*	*2-Butoxyethyl acetate* *Lead* *Methyl ethyl ketone* *Methyl isobutyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *Triethylamine* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
PNTS-027	*Paint Booth*	*9 VAC 5-80-720 B*	*1,6-Diisocyanatohexane* *Ethylbenzene* *Glycol ethers* *Methyl ethyl ketone* *Methyl isobutyl ketone* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
STMC-GRP	*Steam Cleaning Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not Applicable*
PPLT-001	*Alkaline Cleaner*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
PPLT-002	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
PPLT-003	*Deoxidizer-Desmutter*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
PPLT-004	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
PPLT-005	*IRIDITE Tank*	*9 VAC 5-80-720 B*	*Chromic acid* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
PPLT-006	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
PPLT-007	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
PPLT-008	*Cleaning Tank*	*9 VAC 5-80-720 B*	*Hydrogen Phosphate (Phospheric Acid)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
PPLT-010	*Rinse Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
PPLT-011	*Chrome Coat*	*9 VAC 5-80-720 B*	*Chromic acid* *Hydrogen fluoride* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total*	*Not Applicable*
PPLT-012	*Portable Cleaning Tanks*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
TNKA-001	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-002	*Vertical Fixed Roof Storage Tank,Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-003	*Vertical Fixed Roof Storage Tank,Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-004	*Vertical Fixed Roof Storage Tank,Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-005	*Vertical Fixed Roof Storage Tank,Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-006	*Vertical Fixed Roof Storage Tank,H2O*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-009	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-010	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-013	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
TNKA-014	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-022	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-027	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-028	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-029	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-030	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-101	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-102	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-172	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-173	*Vertical Fixed Roof Storage Tank,Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-181	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-182	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-183	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Toluene *VOC (Volatile organic compounds)*	
TNKA-189	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-191	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-193	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-197	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-201	*Battery Charging Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
TNKA-203	*Battery Charging Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
TNKA-205	*Battery Charging Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
TNKA-207	*Battery Charging Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
TNKA-209	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-211	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-227	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-228	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-229	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-230	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-001	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil*	*9 VAC 5-80-720 B*	*Naphthalene*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
	No. 2		*Toluene* *VOC (Volatile organic compounds)*	
TNKU-002	*Horizontal Fixed Roof Storage Tank,Gasoline (RVP 13)*	*9 VAC 5-80-720 B*	*2,2,4-trimethylpentane* *Benzene* *Ethylbenzene* *Hexane* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
TNKU-003	*Horizontal Fixed Roof Storage Tank,Gasoline (RVP 13)*	*9 VAC 5-80-720 B*	*2,2,4-trimethylpentane* *Benzene* *Ethylbenzene* *Hexane* *Toluene* *VOC (Volatile organic compounds)* *Xylenes (mixed isomers)*	*Not Applicable*
TNKU-005	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-006	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-007	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-008	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-009	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-010	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-011	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-012	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil*	*9 VAC 5-80-720 B*	*Naphthalene*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
	No. 2		*Toluene* *VOC (Volatile organic compounds)*	
TNKU-013	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-014	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-015	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-016	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-017	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-021	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKU-022	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
WELD-GRP	*Maintainence Welding Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants.*	*Not Applicable*
WSTL-GRP	*Oil/Water Separators*	*9 VAC 5-80-720 B*	*Benzene* *Hexane* *Naphthalene* *VOC (Volatile organic compounds)*	*Not Applicable*

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

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X. Facility Information- CNRMA

Permittee
Commander Navy Region Mid-Atlantic
Regional Engineer / Navy Public Works Center
Code N547
1510 Gilbert Street
Norfolk, VA 23511

Responsible Official
Cherryl F. Barnett
Head Regional Environmental Group
By direction of the Commander

Facility
Southgate Annex
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

Contact Person
Leal Boyd
Air Program Manager
(757) 445-6636

AFS Identification Number: 51-740-00006

Facility Description: CNRMA owns and operates the Southgate Annex, which is located next to the Norfolk Naval Shipyard. The Southgate Annex is a storage facility for inactive naval vessels (NNSY owns 4 of the 6 piers). Maintenance of these vessels is done to ensure their integrity while in storage or to prepare them for re-use or disposal. The Public Works Center (PWC) uses space to park vehicles (when not leased) which are leased to various government activities. The Intra-Fleet Supply Support Operations Team (ISSOT) also has a presence. The ISSOT provides temporary labor to the Department of Defense and other federal agencies and they also have some buildings used for storage. There is a gas station located here for fueling vehicles.

- 9711 - National security

XI. Insignificant Emission Units - CNRMA

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720 (The following list of insignificant emission units is provided for informational purposes only. It is not necessary for this list to be updated as insignificant units or activities are added, removed, or relocated):

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
CHRG-001	*Battery Charging Operations*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
DEGS-055	*Solvent Degreasers/Parts Washers*	*9 VAC 5-80-720 B*	*Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *VOC (Volatile organic compounds)*	*Not Applicable*
FURN-079	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.125 MM Btu/hr*
FURN-081	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)* *Carbon monoxide*	*0.105 MM Btu/hr*
FURN-087	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B,* *9 VAC 5-80-720 C*	*Carbon monoxide* *NOx (Nitrogen oxides)* *Particulate Matter (PM), Total* *Particulate Matter < 10 Microns (PM10), Total* *SOx (Sulfur oxides)* *VOC (Volatile organic compounds)*	*0.28 MM Btu/hr*
ICGF-073	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene,*	*545 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-075	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 kW*
ICGF-077	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH,*	*425 hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total	
ICGF-079	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*16.1 Hp*
ICGF-081	*Internal Combustion Engines,Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers),*	*16 Hp*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
			Particulate Matter (PM), Total, *Particulate Matter < 10 Microns (PM10), Total*	
ICGF-120	*Internal Combustion Engine Comercial- Institutional*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbon monoxide, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene, Naphthalene, NOx (Nitrogen oxides), PAH, Phenanthrene, Pyrene, SOx (Sulfur oxides), Toluene, VOC (Volatile organic compounds), Xylenes (mixed isomers), Particulate Matter (PM), Total, Particulate Matter < 10 Microns (PM10), Total*	*100 kW*
TNKA-023	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-024	*Horizontal Fixed Roof Storage Tank,Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-185	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-187	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
TNKA-199	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene* *Toluene* *VOC (Volatile organic compounds)*	*Not Applicable*
WELD-027	*Maintainence Welding Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants.*	*Not Applicable*

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XII. Facility Wide Conditions - Shipyard and CNRMA

A. Limitations

1. The permittee must check for the presence of asbestos prior to commencement of any demolition and renovation project and ensure all demolition and renovation activities (including contractors) are conducted in accordance with 40 CFR Part 61 Subpart M.
   (9 VAC 5-80-110, 40 CFR 61.145, 61.146, 61.150, and 61.153)

2. Asbestos processing activities related to fabrication processes and associated air cleaning devices and disposal of generated waste are subject to the NESHAP provisions in Subpart M of 40 CFR Part 61.
   (9 VAC 5-80-110, 40 CFR 61.147, 61.150, and 61.152)

3. No owner or other person shall cause or permit the manufacture, mixing, storage, use or application of liquefied asphalt for paving operations unless such asphalt is of the emulsified asphalt type.
   (9 VAC 5-40-5510 and 9 VAC 5-80-110)

4. The manufacture, mixing, storage, use or application of cutback asphalt is permitted under any of the following circumstances:

   a. When stockpile storage greater than one month is necessary;

   b. When use or application during the months of November through March is necessary;

   c. When use or application as a penetrating prime coat or tack coat is necessary; or

   d. When the user can demonstrate that there are no volatile organic compound emissions from the asphalt under conditions of normal use.

   This does not preclude the manufacture, mixing, storage, use or application of heated asphalt cement as a component in asphaltic concrete mixing or for priming in surface treatment.
   (9 VAC 5-40-5510 and 9 VAC 5-80-110)

5. The manufacture, mixing, storage, use or application of emulsified asphalt containing volatile organic compounds is permitted provided the annual average of volatile organic compound content for all emulsified asphalts used does not exceed 6% of volatile organic compounds by volume.
   (9 VAC 5-40-5510 and 9 VAC 5-80-110)

6. No person may perform service on a motor vehicle air conditioner without having been trained and certified by an approved technician certification program pursuant to 40 CFR 82.40 and without using approved equipment pursuant to 40 CFR 82.36.
   (9 VAC 5-80-110, 40 CFR 82.40 and 40 CFR 82.36)

7. No person may sell or distribute, or offer to sell or distribute any products listed in 40 CFR 82.66 or 40 CFR 82.70.
   (9 VAC 5-80-110 and 40 CFR 82 Subpart C)

8. Federal facilities shall amend their procurement policies and regulations to conform to the requirements and policies of Title VI of the Clean Air Act Amendments of 1990 no later than October 24, 1994.
(9 VAC 5-80-110 and 40 CFR 82 Subpart D)

9. All containers in which a Class I or II substance is stored or transported shall be labeled with a warning statement which meets the labeling requirements of 40 CFR 82.109 and formatting requirements of 40 CFR 82.110.
(9 VAC 5-80-110 and 40 CFR 82 Subpart E)

10. No person maintaining, servicing, repairing or disposing of appliances or recovering refrigerant may do so without observing the practices as set forth in 40 CFR 82.156 or without using approved recycling equipment pursuant to the requirements of 40 CFR 82.158.
(9 VAC 5-80-110 and 40 CFR 82 Subpart F)

B. Monitoring and Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Records of certification for all trained technicians that are certified pursuant to 40 CFR 80.40.

   b. Records of VOC content of emulsified asphalt.

   c. Records of disposal of any asbestos containing material.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
   (9 VAC 5-80-110)

2. During periods that the emissions unit(s) are not operated, it will be assumed that they are in compliance with applicable opacity/visible emission standards, as these unit(s) do not emit regulated pollutants or produce visible emissions when not operated. Visual evaluations for the presence of visible emissions will not be required during periods of non-operation.
   (9 VAC 5-80-110)

3. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs /calendar month	Quarterly
< 50 hrs/calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

4. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

XIII. Permit Shield & Inapplicable Requirements - Shipyard and CNRMA

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
*BOIL-*** (All BOILs)*	*40 CFR, Part 60, Subpart D - NSPS for Fossil Fuel Fired Steam Generators for which Construction Commenced After August 17, 1971*	*NSPS for steam generating units greater than 250 MMBtu/hr heat input*	*No emissions units are present at the facility within the applicable size range specified in the regulation.*
*BOIL-*** (All BOILs)*	*40 CFR, Part 60, Subpart Da - NSPS for Electric Utility Steam Generating Units for which Construction Commenced After September 18, 1978*	*NSPS for steam generating units and gas turbines at electric utility generating stations greater than 250 MMBtu/hr heat input*	*No emissions units are present at the facility within the applicable size range specified in the regulation. NNSY is not an "electric utility generating station".*
BOIL-001, BOIL-002	*40 CFR, Part 60, Subpart Db - NSPS for Industrial-Commercial-Institutional Steam Generating Units*	*NSPS for steam generating units greater than 100 MMBtu/hr heat input*	*Emissions units were installed prior to June 19,1984 and are not subject to the regulation.*
*BOIL-*** (All BOILs)*	*40 CFR, Part 60, Subpart Dc - NSPS for Small Industrial -Commercial-Institutional Steam Generating Units*	*NSPS for Steam Generating units between 10 and 100 MMBtu/hr heat input*	*No emissions units are present at the facility within the applicable size range specified in the regulation.*
*All TNKA-***, and TNKU-*** (All TNKAs and TNKUs)*	*40 CFR 60 Subpart K and Ka Standards of Performance for Storage Vessels for Petroleum Liquids*	*NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced after 11 June 1973 and before 19 May 1978 (for Subpart K), after 18 May 1978 and before 23 July 1984 (for Subpart Ka).*	*All tanks at NNSY are less than 40,000 gallons capacity and are therefore not subject to this regulation.*
TNKA-174, TNKA-175, TNKA-176, TNKA-015	*40 CFR 60 Subpart Kb Standards of Performance for Storage Vessels for Petroleum Liquids*	*NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced after 23 July 1984.*	*The installation dates for these tanks was prior to 23 July 1984.*
TNKU-002, TNKU-003	*40 CFR 60 Subpart Kb Standards of Performance for Storage Vessels for Petroleum Liquids*	*NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced after 23 July 1984.*	*These storage vessels are located at gasoline service stations thereby making them not applicable.*

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
Foundry Operations	*40 CFR, Part 60, Subpart M- NSPS for Secondary Brass and Bronze Ingot Production Plants*	*NSPS for Secondary Brass and Bronze Ingot Production Plants*	*NNSY has eliminated all of the foundry operations.*
Foundry Operations	*40 CFR, Part 60, Subpart N - NSPS for Basic Oxygen Process Furnaces*	*NSPS for Basic Oxygen Process Furnaces for which construction is commenced after June 11, 1973*	*NNSY has eliminated all of the foundry operations.*
Foundry Operations	*40 CFR, Part 60, Subpart Na - NSPS for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities*	*NSPS for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983*	*NNSY has eliminated all of the foundry operations.*
Foundry Operations	*40 CFR, Part 60, Subpart AA - NSPS for Steel Plants: Electric Arc Furnaces*	*NSPS for Electric Arc Furnaces located at Steel Plants*	*NNSY has eliminated all of the foundry operations.*
Foundry Operations	*40 CFR 60, Subpart AAa - NSPS for Steel Plants. Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels*	*NSPS for Steel Plants. Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983*	*NNSY has eliminated all of the foundry operations.*
IWTP-009	*40 CFR, Part 60, Subpart O - NSPS for Sewage Treatment Plants*	*NSPS for Sewage Treatment Plants*	*The industrial wastewater treatment facility at NNSY does not meet the definition of a "Municipal Sewage Treatment Plant" as defined in the regulation.*
PNTS-002	*40 CFR, Part 60, Subpart EE - NSPS for Surface Coating of Metal Furniture*	*NSPS for Surface Coating of Metal Furniture*	*Coating process was installed prior to 1980 and thus is not subject to the regulation.*
TURB-001, TURB-002	*40 CFR, Part 60, Subpart GG - NSPS for Stationary Gas Turbines*	*NSPS for Stationary Gas Turbines*	*NNSY has removed the gas turbines permitted on 2/15/79.*
PNTO-005, PNTS-028	*40 CFR, Part 60, Subpart MM - NSPS for Automobile and Light-Duty Truck Coating Operations*	*NSPS for Automobile and Light-Duty Truck Coating Operations*	*This regulation applies at automobile and light-duty truck assembly plants. NNSY is not a automobile and light-duty truck assembly plant.*
*PRNT-*** (All PRNTs)*	*40 CFR, Part 60, Subpart QQ - NSPS for Graphic Arts Industry: Publication Rotogravure Printing*	*NSPS for Graphic Arts Industry: Publication Rotogravure Printing*	*NNSY has removed all rotogravure printing presses from the facility.*
*All PNTO-***, OCOT-***, and PNTS-*** (All PNTSs, OCOTs, and PNTOs)*	*40 CFR, Part 60, Subpart SS - NSPS for Industrial Surface Coating: Large Appliances*	*NSPS for Industrial Surface Coating Large Appliances and Products*	*NNSY does not coat any "Large Appliance Parts" or "Large Appliance Products" as defined by the regulation.*
GSTA-001,GSTA-002, GSTA-003, GSTA-005	*40 CFR, Part 60, Subpart XX - NSPS for Bulk Gasoline Terminals*	*NSPS for Bulk Gasoline Terminals*	*NNSY does not meet the definition of a "Bulk Gasoline Terminal" as defined in the regulation in that the facility does not receive gasoline via a pipeline, ship or barge.*

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
PNTS-009	*40 CFR 60, Subpart VVV - NSPS for Polymeric Coating of Supporting Substrates Facilities*	*NSPS for Polymeric Coating of Supporting Substrates Facilities*	*Operation is not utilized to coat "supporting substrates" as defined in the regulation. Plasticol coating is applied to valve and tool handles.*
FACILITY	*40 CFR 61 Subpart C National Emission Standard for Beryllium*	*Applies to machine shops at stationary sources which process beryllium, beryllium oxides or any alloy when such alloy contains more than 5% Beryllium by weight.*	*NNSY does not process any alloy containing greater than 5% Beryllium by weight.*
FACILITY	*40 CFR 61 Subpart M National Emission Standards for Asbestos All sections except for 40 CFR §61.145, §61.146, §61.150, §61.152 and §61.153*	*Standards for processing, manufacturing, and handling of asbestos containing material.*	*NNSY does not process, manufacture asbestos containing products and is only subject to the regulations associated with removal and disposal of asbestos containing material.*
FACILITY	*40 CFR 63 Subpart GG National Emission Standards for Aerospace Manufacturing and Rework Facilities*	*Sets forth standards for organic and inorganic HAP emissions from aircraft primer and top-coat application operations.*	*NNSY is not subject to this regulation in that the facility does not manufacture or rework aerospace equipment.*
*PRNT-*** (All PRNTs)*	*40 CFR 63, Subpart KK National Emission Standards for the Printing and Publishing Industry*	*Standards for hazardous air pollutants emissions from the printing and publishing processes.*	*Rules are applicable only to rotogravure and wide web flexographic printing presses. These type presses are no longer in service at NNSY.*
PNTS-028	*40 CFR 63, Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)*	*Standards that limit the emissions of hazardous air pollutants (HAP) from existing and new shipbuilding and ship repair operations located at major sources.*	*Although equipment from ships is coated at this unit; this equipment (forklifts and ground support equipment used on aircraft carriers) is not an inherent part of the ship. Since this equipment is portable and can be used on land as well as at sea it is NNSY's interpretation that this emissions unit is not subject to the rule.*
OCOT-001, OCOT-002, OCOT-003, PNTS-009	*40 CFR 63, Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)*	*Standards that limit the emissions of hazardous air pollutants (HAP) from existing and new shipbuilding and ship repair operations located at major sources.*	*Coating operations are not utilized for the purpose of corrosion control or prevention coating. The NAVY has received guidance from USEPA that the NESHAP standards are only intended to regulate coating operations conducted for the purpose of corrosion control or prevention.*

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
PNTS-025	*40 CFR 63 Subpart JJ-National Emission Standards for Wood Furniture Manufacturing Operations All sections except §63.801*	*NESHAP for Wood Furniture Manufacturing*	*NNSY is exempt from the requirements of the NESHAP for Wood Furniture Manufacturing as an Incidental Wood Furniture Manufacturer (using less than or equal to 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood components), with the exception of the recordkeeping requirements to maintain records of purchase/usage of finishing material and adhesives to demonstrate qualification as an Incidental Wood Manufacturer.*
FACILITY	*40 CFR 63, Subpart Q - NESHAPs for Hazardous Air Pollutants for Industrial Process Cooling Towers*	*NESHAPs for Hazardous Air Pollutants for Industrial Process Cooling Towers*	*Regulation is only subject to cooling towers which utilize chromium based water treatment chemicals. NNSY does not utilize any chromium based water treatment chemicals.*
GSTA-001, GSTA-002, GSTA-003, GSTA-005	*40 CFR 63, Subpart R - NESHAPs for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)*	*NESHAPs for Bulk Gasoline Terminals and Pipeline Breakout Stations at Gasoline Distribution Facilities*	*NNSY/CNRMA does not meet the definition of a "Bulk Gasoline Terminal" as defined in the regulation in that the facility does not receive gasoline via a pipeline, ship or barge.*
FACILITY	*40 CFR 63, Subpart U -National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins*	*National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins - applies to elastomer production facilities*	*NNSY does not have any equipment or process used to manufacture " elastomer products" as defined in the regulation.*
FACILITY	*40 CFR 63, Subpart Y National Emission Standards for Marine Tank Vessel Loading and Unloading Operations*	*NESHAP for Marine Tank Vessel Loading and Unloading Operations*	*Naval ships and operations do not fall under the category of Tank Ship/Barge used to transport fuel commodities in bulk.*
FACILITY	*40 CFR 63 Subpart DD National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations*	*Control requirements for waste treatment and disposal facilities handling off-site waste.*	*NNSY is exempt from this regulation pursuant to 40 CFR Part 63.689(d) in that the total annual quantity of HAP contained in the bilge water processed at NNSY from ships that are dry docked or berthed at the facility is less than 1 megagram per year based on historical throughput and test data. NNSY maintains these records on-site.*
FACILITY - All TNK-*** units (All TNKAs and TNKUs)*	*40 CFR 63, Subpart OO -National Emission Standards for Tanks--Level 1*	*National Emission Standards for Tanks--Level 1*	*Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NNSY.*
FACILITY	*40 CFR 63, Subpart PP -National Emission Standards for Containers*	*National Emission Standards for Containers*	*Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NNSY.*

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
IWTP-009	*40 CFR 63, Subpart QQ -National Emission Standards for Surface Impoundments*	*National Emission Standards for Surface Impoundments*	*Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NNSY.*
FACILITY	*40 CFR 63, Subpart RR -National Emission Standards for Individual Drain Systems*	*National Emission Standards for Individual Drain Systems*	*Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NNSY.*
*WSTL-*** (All WSTLs)*	*40 CFR 63, Subpart VV-National Emission Standards for Oil-Water Separators and Organic-Water Separators*	*National Emission Standards for Oil-Water Separators and Organic-Water Separators*	*Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NNSY.*
FACILITY	*40 CFR 80 Subpart B Controls Applicable to Gasoline Refiners and Importers*	*Controls and prohibitions for sale and dispensing of gasoline for retailers and wholesalers.*	*These regulations are not included in the Virginia State Implementation Plan and are not applicable requirements as defined in 40 CFR Part 70.*
MISC-006 thru MISC-012, MISC-014, MISC-018, MISC-019, MISC-021, MISC-023, MISC-025, MISC-027, MISC-031, MTWK-003, MTWK-004, MTWK-007	*9 VAC 5-40-240, et. seq. Article 4 of Chapter 40 Standard for Particulate Matter*	*Particulate matter standard based on process weight rate.*	*Emissions units are batch material cutting, grinding operations. This rule is unenforceable as a practical matter in that a process weight limit is unidentifiable and the corresponding emission limit is unrelated to these types of operations.*
PNTO-009, PNTO-010, PNTO-01, PNTS-007, PNTS-021, PNTS-032	*9 VAC 5-40-240, et. seq. Article 4 of Chapter 40 Standard for Particulate Matter*	*Particulate matter standard based on process weight rate.*	*Emissions units process material for coating at a maximum process rate less than 100 lb/hr. Units which process material at a rate less than 100 lb/hr are exempt from the provisions of the rule.*
FACILITY	*9 VAC 5-40-3410, et. seq. Article 25 of Chapter 40 - Emission Standards for Volatile Organic Compound Storage and Transfer Operations*	*Standards that apply to storage or transfer of volatile organic liquids other than petroleum liquids.*	*These requirements do not apply to fixed roof tanks with a storage capacity less than 40,000 gallons containing volatile organic liquids other than petroleum liquids.*
*All PNTO-***, OCOT-***, and PNTS-*** (All PNTSs, OCOTs, and PNTOs)*	*9 VAC 5-40-3560, et. seq. Article 26 of Chapter 40 Emission Standards For Large Appliance Coating Application Systems*	*VOC Emission Standards For Large Appliance Coating Application Systems*	*Coating operations do meet the definition of "Large Appliances Coating Application Systems" as defined in the regulation.*

Unit Reference Number	Citation	Brief description of requirement	Why the requirement does not apply
PNTO-005, PNTS-028	*9 VAC 5-40-3860, et. seq. Article 28 of Chapter 40 Emission Standards For Automobile And Light Duty Truck Coating Application Systems*	*VOC Emission Standards For Automobile And Light Duty Truck Coating Application Systems*	*Coating operations are for vehicle refinishing only and are exempt from this regulation pursuant to 9 VAC 5-40-3860 C 2.*
*All PNTO-***, OCOT-***, and PNTS-*** except PNTS-002 (All PNTSs, OCOTs, and PNTOs except PNTS-002)*	*9 VAC 5-40-4610, et. seq. Article 33 of Chapter 40 Emission Standards For Metal Furniture Coating Application Systems*	*VOC Emission Standards For Metal Furniture Coating Application Systems*	*Coating operations do meet the definition of "Metal Furniture Coating Operations" as defined in the regulation.*
PNTS-011	*9 VAC 5-40-4760, et. seq. Article 34 of Chapter 40 - Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems*	*Sets forth VOC standards for coating operations of miscellaneous parts and products.*	*Coating of fully assembled marine vessels are exempt.*
*PRNT-*** (All PRNTs)*	*9 VAC 5-40-5650, et. seq. Article 36 of Chapter 40 Emission Standards For Flexographic, Packaging Rotogravure, And Publication Rotogravure Printing Lines*	*VOC Emission Standards For Flexographic, Packaging Rotogravure, And Publication Rotogravure Printing Lines*	*NNSY has removed all rotogravure printing presses from the facility.*
*TNKA-***, TNKU-*** (All TNKAs and TNKUs)*	*9 VAC 5-40-5220A, et. seq. Article 37 of Chapter 40 - Standards for Volatile Organic Compounds*	*General standards for VOC emissions from petroleum liquid storage tanks and transfer operations.*	*This requirement does not apply to tanks with a storage capacity less than 40,000 gallons.*
FACILITY	*9 VAC 5-40-5650, et. seq. Article 41 of Chapter 40 - Emission Standards For Mobile Sources*	*Emission Standards For Mobile Sources*	*Emissions units do not meet the definition of a "Stationary Source" pursuant to 40 CFR Part 70 and are thus not required to be included in this application.*

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIV. General Conditions - Shipyard and CNRMA

General Conditions of this section are not applicable to insignificant units.

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ. Reports shall cover a period of six months. The reporting periods shall be from the first day of the month to the last day of the sixth month. Reports shall be postmarked or delivered no later than 60 days following the end of the reporting period. The first reporting period shall commence the first day of the second month following initial permit issuance. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for a period of twelve months. The report shall be postmarked or delivered no later than 60 days following the end of the twelve-month period. The reporting periods shall coincide with the monitoring reporting periods. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office, within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XV. C. 3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office, by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-

80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.
(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times (except for insignificant units), including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

NNSY will take prompt and expedient actions necessary to allow DEQ access to facilitate inspections. However, personal information may be required from the inspector and additional time may be required to obtain necessary security clearance approval and/or briefing to access certain areas of NNSY (e.g., security areas, nuclear work facilities).
(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.
(9 VAC 5-80-110 I)

XV. State-Only Enforceable Requirements - Shipyard

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. Odor - 9 VAC 5 Chapter 40, Article 2 and 9 VAC 5 Chapter 50, Article 2.

2. Toxic Pollutants - 9 VAC 5 Chapter 40, Article 3 and 9 VAC 5 Chapter 50, Article 3.

(9 VAC 5-80-110 N and 9 VAC 5-80-300)